Special Issue

Life Cycle Assessment of Power Generation Systems and Energy Storage Units

Message from the Guest Editors

As is already widely known, power generation units fed by fossil fuels are characterized by a not-negligible environmental impact. Thus, since the early 1990s, several countries around the world started to invest in plants fed by renewable energy sources (RES). In this context, the Special Issue encourages the submission of research which adopts life cycle assessment (LCA) techniques to assess the environmental impacts of: - Power units fed by both fossil and biofuels; - Hybrid systems composed by RES plants, fossil fuel units, and energy storage devices; - Waste heat recovery units; The Special Issue also welcomes methodological papers about the problems of impact allocation in energy systems, papers concerning novel methods for global environmental assessment of energy systems, papers introducing the concept of circular economy in energy systems, or papers presenting deep LCA analyses of energy systems' key components.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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